

Refine Search

Search Results -

Term	Documents
(4 AND 3 AND 1 AND 7).PGPB,USPT,DWPI.	18
(L1 AND L3 AND L4 AND L7).PGPB,USPT,DWPI.	18

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L8

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Tuesday, February 03, 2004 [Printable Copy](#) [Create Case](#)

<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
	<i>DB=PGPB,USPT,DWPI; PLUR=YES; OP=ADJ</i>		
<u>L8</u>	L1 AND L3 AND L4 AND L7	18	<u>L8</u>
<u>L7</u>	LAMINATE	234691	<u>L7</u>
<u>L6</u>	L4 AND L5	22	<u>L6</u>
<u>L5</u>	L1 AND L2 AND L3	86	<u>L5</u>

<u>L4</u>	(ACRYLATE OR POLYESTER) SAME BREATHABLE	880	<u>L4</u>
<u>L3</u>	MONOLITHIC SAME FILM	5079	<u>L3</u>
<u>L2</u>	FILM	1418031	<u>L2</u>
<u>L1</u>	POLYPROPYLENE SAME FABRIC	18140	<u>L1</u>

END OF SEARCH HISTORY

09/459845

=> FILE CAPLUS
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FILE 'CAPLUS' ENTERED AT 07:29:06 ON 03 FEB 2004
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FILE COVERS 1907 - 3 Feb 2004 VOL 140 ISS 6
FILE LAST UPDATED: 2 Feb 2004 (20040202/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S LAMINATE

	79682 LAMINATE
	59013 LAMINATES
L1	98279 LAMINATE
	(LAMINATE OR LAMINATES)

=> S SPUNBOND(L) (NONWOVEN OR NON-WOVEN OR UNWOVEN OR UN-WOVEN) (L) FABRIC(L) POLYPROPYLENE

	198 SPUNBOND
	4 SPUNBONDS
	200 SPUNBOND
	(SPUNBOND OR SPUNBONDS)
	28226 NONWOVEN
	2690 NONWOVENS
	28458 NONWOVEN
	(NONWOVEN OR NONWOVENS)
635136	NON
	32 NONS
635161	NON
	(NON OR NONS)
	19678 WOVEN
	99 WOVENS
	19753 WOVEN
	(WOVEN OR WOVENS)
	2289 NON-WOVEN
	(NON(W)WOVEN)
	1002 UNWOVEN
50871	UN
	1808 UNS
52673	UN
	(UN OR UNS)
	19678 WOVEN
	99 WOVENS
	19753 WOVEN
	(WOVEN OR WOVENS)
10	UN-WOVEN
	(UN(W)WOVEN)

91438 FABRIC
 83005 FABRICS
 126461 FABRIC
 (FABRIC OR FABRICS)
 141017 POLYPROPYLENE
 1896 POLYPROPYLENES
 141221 POLYPROPYLENE
 (POLYPROPYLENE OR POLYPROPYLENES)
 L2 49 SPUNBOND (L) (NONWOVEN OR NON-WOVEN OR UNWOVEN OR UN-WOVEN) (L) FABRIC (L) POLYPROPYLENE

=> S MONOLITHIC (L) (ACRYLATE OR POLYESTER) (L) BREATHABLE (L) FILM

17176 MONOLITHIC
 44 MONOLITHICS
 17198 MONOLITHIC
 (MONOLITHIC OR MONOLITHICS)
 157839 ACRYLATE
 31166 ACRYLATES
 166045 ACRYLATE
 (ACRYLATE OR ACRYLATES)
 230375 POLYESTER
 185128 POLYESTERS
 288035 POLYESTER
 (POLYESTER OR POLYESTERS)
 766 BREATHABLE
 1 BREATHABLES
 766 BREATHABLE
 (BREATHABLE OR BREATHABLES)
 806254 FILM
 664048 FILMS
 1044342 FILM
 (FILM OR FILMS)

L3 1 MONOLITHIC (L) (ACRYLATE OR POLYESTER) (L) BREATHABLE (L) FILM

=> S SPUNBOND (L) (NONWOVEN OR UNWOVEN OR NON-WOVEN OR UN-WOVEN)

198 SPUNBOND
 4 SPUNBONDS
 200 SPUNBOND
 (SPUNBOND OR SPUNBONDS)
 28226 NONWOVEN
 2690 NONWOVENS
 28458 NONWOVEN
 (NONWOVEN OR NONWOVENS)
 1002 UNWOVEN
 635136 NON
 32 NONS
 635161 NON
 (NON OR NONS)
 19678 WOVEN
 99 WOVENS
 19753 WOVEN
 (WOVEN OR WOVENS)
 2289 NON-WOVEN
 (NON (W) WOVEN)
 50871 UN
 1808 UNS
 52673 UN
 (UN OR UNS)
 19678 WOVEN
 99 WOVENS
 19753 WOVEN
 (WOVEN OR WOVENS)
 10 UN-WOVEN
 (UN (W) WOVEN)

L4 143 SPUNBOND (L) (NONWOVEN OR UNWOVEN OR NON-WOVEN OR UN-WOVEN)

=> S POLYPROPYLENE (L) FABRIC
141017 POLYPROPYLENE
1896 POLYPROPYLENES
141221 POLYPROPYLENE
(POLYPROPYLENE OR POLYPROPYLENES)
91438 FABRIC
83005 FABRICS
126461 FABRIC
(FABRIC OR FABRICS)
L5 6069 POLYPROPYLENE (L) FABRIC

=> S FILM
806254 FILM
664048 FILMS
L6 1044342 FILM
(FILM OR FILMS)

=> S MONOLITHIC (L) FILM
17176 MONOLITHIC
44 MONOLITHICS
17198 MONOLITHIC
(MONOLITHIC OR MONOLITHICS)
806254 FILM
664048 FILMS
1044342 FILM
(FILM OR FILMS)
L7 1196 MONOLITHIC (L) FILM

=> D HIS

(FILE 'HOME' ENTERED AT 07:28:38 ON 03 FEB 2004)

FILE 'CAPLUS' ENTERED AT 07:29:06 ON 03 FEB 2004

L1 98279 S LAMINATE
L2 49 S SPUNBOND (L) (NONWOVEN OR NON-WOVEN OR UNWOVEN OR UN-WOVEN) (L) F
L3 1 S MONOLITHIC (L) (ACRYLATE OR POLYESTER) (L) BREATHABLE (L) FILM
L4 143 S SPUNBOND (L) (NONWOVEN OR UNWOVEN OR NON-WOVEN OR UN-WOVEN)
L5 6069 S POLYPROPYLENE (L) FABRIC
L6 1044342 S FILM
L7 1196 S MONOLITHIC (L) FILM

=> S (ACRYLATE OR POLYESTER) (L) BREATHABLE
157839 ACRYLATE
31166 ACRYLATES
166045 ACRYLATE
(ACRYLATE OR ACRYLATES)
230375 POLYESTER
185128 POLYESTERS
288035 POLYESTER
(POLYESTER OR POLYESTERS)
766 BREATHABLE
1 BREATHABLES
766 BREATHABLE
(BREATHABLE OR BREATHABLES)
L8 151 (ACRYLATE OR POLYESTER) (L) BREATHABLE

=> D HIS

(FILE 'HOME' ENTERED AT 07:28:38 ON 03 FEB 2004)

FILE 'CAPLUS' ENTERED AT 07:29:06 ON 03 FEB 2004

L1 98279 S LAMINATE
L2 49 S SPUNBOND (L) (NONWOVEN OR NON-WOVEN OR UNWOVEN OR UN-WOVEN) (L) F
L3 1 S MONOLITHIC (L) (ACRYLATE OR POLYESTER) (L) BREATHABLE (L) FILM

L4 143 S SPUNBOND(L) (NONWOVEN OR UNWOVEN OR NON-WOVEN OR UN-WOVEN)
 L5 6069 S POLYPROPYLENE(L) FABRIC
 L6 1044342 S FILM
 L7 1196 S MONOLITHIC(L) FILM
 L8 151 S (ACRYLATE OR POLYESTER) (L) BREATHABLE

=> S L5 AND L6 AND L7

MISSING OPERATOR L6 AND L7

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> S L5 AND L6 AND L7

L9 4 L5 AND L6 AND L7

=> S L5 AND L6 AND L8

L10 7 L5 AND L6 AND L8

=> D L3 BIB,ABS

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:658025 CAPLUS

DN 137:186987

TI Manufacture of breathable nonwoven/film laminate for housewrap and building construction applications

IN Grondin, Pierre D.; Kamnikar, Paul; Erdos, Valeria; Witmeyer, Richard; Storzer, Marlene; Pearce, Charles

PA Polymer Group, Inc., USA

SO PCT Int. Appl., 14 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002066246	A1	20020829	WO 2002-US292	20020108
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2002132547	A1	20020919	US 2001-759845	20010112
	EP 1365913	A1	20031203	EP 2002-718793	20020108
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			

PRAI US 2001-759845 A 20010112

WO 2002-US292 W 20020108

AB Title laminate material with low prodn. cost comprises a spunbond polypropylene nonwoven fabric, and a **monolithic, acrylate/polyester breathable**, polymeric film which is extrusion-coated onto the nonwoven fabric layer. The **breathable** coating exhibits substantial impermeability to liq., water, and to air, while exhibiting significant permeability to water vapor. Thus, a spunbond polypropylene nonwoven fabric was extrusion-coated with a compn. comprising Et **acrylate-Me acrylate** copolymer 76%, PL 380 (block **polyester**) 20%, and UV-stabilizer 4% to give laminated fabrics, showing strip tensile strength (machine direction/cross direction) 55/43.5 N/cm, and permeance (at 22.degree. and 50% R.H. Perms) 7.5.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> D HIS

(FILE 'HOME' ENTERED AT 07:28:38 ON 03 FEB 2004)

FILE 'CAPLUS' ENTERED AT 07:29:06 ON 03 FEB 2004

L1 98279 S LAMINATE
L2 49 S SPUNBOND(L) (NONWOVEN OR NON-WOVEN OR UNWOVEN OR UN-WOVEN) (L) F
L3 1 S MONOLITHIC(L) (ACRYLATE OR POLYESTER) (L) BREATHABLE(L) FILM
L4 143 S SPUNBOND(L) (NONWOVEN OR UNWOVEN OR NON-WOVEN OR UN-WOVEN)
L5 6069 S POLYPROPYLENE(L) FABRIC
L6 1044342 S FILM
L7 1196 S MONOLITHIC(L) FILM
L8 151 S (ACRYLATE OR POLYESTER) (L) BREATHABLE
L9 4 S L5 AND L6 AND L7
L10 7 S L5 AND L6 AND L8

=> D L9 1-4 BIB,ABS

L9 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:656621 CAPLUS
DN 139:185748
TI Hygienic absorbent product
IN Gallino, Franco
PA Exten S.A., Switz.
SO PCT Int. Appl., 10 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003068284	A1	20030821	WO 2002-IT87	20020214
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRAI WO 2002-IT87 20020214

AB The present invention relates to a hygienic absorbent product for babies or incontinent adults, comprising an absorbent layer and an outer breathable layer. Said outer layer is formed of a laminate compressing a **monolithic** polymeric material **film** and a fibrous layer, wherein said **monolithic** polymeric material is a biodegradable and compostable aliph.-arom. copolyester. The copolyester comprises up to about 30% by wt. terephthalic acid monomer and a fibrous layer is made of a **polypropylene** nonwoven **fabric**.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:434459 CAPLUS
DN 138:402924
TI Manufacture of polypropylene sheets with good stiffness, tensile strength and ductility by pressing webs of polypropene fibers at an elevated temperature and pressure sufficient to melt a portion of the polymer and cooling the compacted web at an accelerated rate of cooling to 100.degree. and monoclinic articles therefrom
IN Ward, Ian Macmillan; Hine, Peter John
PA BTG International Limited, UK

SO PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003045659	A1	20030605	WO 2002-GB4562	20021008
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI GB 2001-28405 A 20011127

AB The **monolithic** articles (A) are prepd. by the steps comprising the steps of (a) subjecting a web of fibers of oriented **polypropylene** (I) or a propylene copolymer to an elevated temp. and pressure sufficient to melt a portion of the polymer and compact it, and (b) cooling the compacted web, wherein an accelerated rate of cooling is employed down to a lower temp. and in which the lower temp. is a predetd. amt. below the recrystn. temp. of the fibers, or the **monolithic** articles are prepd. by the above steps using fibers consisting of I or a propylene copolymer with wt.-av. mol. wt. 100,000-800,000. The **monolithic** A articles have a polymer matrix phase which was produced by selective melting of the oriented phase during the process and an oriented fiber phase a fraction of which was melted during the process, or the **monolithic** articles comprise A articles showing Young's modulus of the matrix phase .gtoreq.0.9 GPa, or the **monolithic** articles comprise A articles showing failure strength of the matrix phase .gtoreq.20 MPa, or the **monolithic** articles comprise A articles exhibiting failure strain .gtoreq.5%. A woven **fabric** of fibers from I with Mw 191,000 was pressed at 200.degree. and 2.8 MPa and cooled at 20-30.degree./min to give a **film** with d. 911 kg/m3 and modulus 1.85 .+- 0.05 GPa.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:658025 CAPLUS

DN 137:186987

TI Manufacture of breathable nonwoven/**film** laminate for housewrap and building construction applications

IN Grondin, Pierre D.; Kamnikar, Paul; Erdos, Valeria; Witmeyer, Richard; Storzer, Marlene; Pearce, Charles

PA Polymer Group, Inc., USA

SO PCT Int. Appl., 14 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002066246	A1	20020829	WO 2002-US292	20020108
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2002132547 A1 20020919 US 2001-759845 20010112
 EP 1365913 A1 20031203 EP 2002-718793 20020108

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

PRAI US 2001-759845 A 20010112
 WO 2002-US292 W 20020108

AB Title laminate material with low prodn. cost comprises a spunbond **polypropylene nonwoven fabric**, and a **monolithic** , acrylate/polyester breathable, polymeric **film** which is extrusion-coated onto the nonwoven **fabric** layer. The breathable coating exhibits substantial impermeability to liq., water, and to air, while exhibiting significant permeability to water vapor. Thus, a spunbond **polypropylene nonwoven fabric** was extrusion-coated with a compn. comprising Et acrylate-Me acrylate copolymer 76%, PL 380 (block polyester) 20%, and UV-stabilizer 4% to give laminated **fabrics**, showing strip tensile strength (machine direction/cross direction) 55/43.5 N/cm, and permeance (at 22.degree. and 50% R.H. Perms) 7.5.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2002:276239 CAPLUS
 DN 136:280759
 TI Nonwoven composite barrier fabrics with improved barrier properties comprising a melt-blown or barrier layer sandwiched between layers of spunbonded layers of thermoplastic fibers with fine denier and products therefrom
 IN Ferencz, Richard Leon
 PA Polymer Group Inc., USA
 SO PCT Int. Appl., 25 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002029146	A1	20020411	WO 2001-US42475	20011005
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002013439	A5	20020415	AU 2002-13439	20011005
US 2002142692	A1	20021003	US 2001-972299	20011005
EP 1325185	A1	20030709	EP 2001-981822	20011005
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRAI US 2000-238497P	P	20001006		
WO 2001-US42475	W	20011005		
AB The barrier fabrics (A) comprise a fine-denier spunbonded layer comprising multiple thermoplastic filaments having denier per filament 0.7-1.2 and a barrier layer material deposited uniformly onto the fine-denier spunbonded layer, and have the layers consolidated to form a composite fabric having ratio (R) of the hydrostatic head of the fabric to the basis wt. of the barrier layer .gtoreq.4.9 cm/g-m2, or the barrier fabrics comprise A fabrics having the thermoplastic filaments consisting of polyethylene and/or				

polypropylene (I), or the barrier fabrics comprise A fabrics having the thermoplastic filaments consisting of polyolefins and/or polyesters, or the barrier fabrics comprise A fabrics having the barrier layer comprising melt-blown webs, cellulose pulp, microporous films, or monolithic films. The barrier fabrics are useful for waste-containment garments, medical gowns, industrial protective garments, and battery separators. A melt-blown layer of spun fibers from I (Achieve 3854) with basis wt. 8 g/m2 was sandwiched between 2 spunbonded layers of I fibers with basis wt. 17 g/m2 to give a composite nonwoven fabric exhibiting tensile strength (Grabs) 8102 and 6472 g/cm, resp., in the machine and transverse directions, hydrostatic head value 49 cm, and R 6.1.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> D HIS

(FILE 'HOME' ENTERED AT 07:28:38 ON 03 FEB 2004)

FILE 'CAPLUS' ENTERED AT 07:29:06 ON 03 FEB 2004

L1 98279 S LAMINATE
L2 49 S SPUNBOND(L) (NONWOVEN OR NON-WOVEN OR UNWOVEN OR UN-WOVEN) (L) F
L3 1 S MONOLITHIC(L) (ACRYLATE OR POLYESTER) (L) BREATHABLE(L) FILM
L4 143 S SPUNBOND(L) (NONWOVEN OR UNWOVEN OR NON-WOVEN OR UN-WOVEN)
L5 6069 S POLYPROPYLENE(L) FABRIC
L6 1044342 S FILM
L7 1196 S MONOLITHIC(L) FILM
L8 151 S (ACRYLATE OR POLYESTER) (L) BREATHABLE
L9 4 S L5 AND L6 AND L7
L10 7 S L5 AND L6 AND L8

=> D L10 1-7 BIB,ABS

L10 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:811921 CAPLUS
DN 137:326537
TI Absorbent textile based on polyurethane-back-coated fabric pads with nap surfaces for hygienic purposes
PA Grewe, Helmut F., Germany
SO Ger. Gebrauchsmusterschrift, 8 pp.
CODEN: GGXXFR
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 20121480	U1	20021024	DE 2001-20121480	20011221
DE 2001-20121480		20011221		

AB Absorbent composites for washable reusable diaper pants comprise an sorption layer with nap on 1 side for moisture transport and a compact, hydrophilic, **breathable**, waterproof polyurethane coating on the other side and, optionally, comprise a **film** of polyurethane, polypropylene, polyethylene, **polyester**, PTFE, or block polyamide-polyether laminated to the polyurethane-coated side.

L10 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:658025 CAPLUS
DN 137:186987
TI Manufacture of breathable nonwoven/film laminate for housewrap and building construction applications
IN Grondin, Pierre D.; Kamnikar, Paul; Erdos, Valeria; Witmeyer, Richard; Storzer, Marlene; Pearce, Charles
PA Polymer Group, Inc., USA

SO PCT Int. Appl., 14 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002066246	A1	20020829	WO 2002-US292	20020108
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2002132547	A1	20020919	US 2001-759845	20010112
	EP 1365913	A1	20031203	EP 2002-718793	20020108
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				

PRAI US 2001-759845 A 20010112

WO 2002-US292 W 20020108

AB Title laminate material with low prodn. cost comprises a spunbond **polypropylene** nonwoven **fabric**, and a monolithic, **acrylate/polyester breathable**, polymeric **film** which is extrusion-coated onto the nonwoven **fabric** layer. The **breathable** coating exhibits substantial impermeability to liq., water, and to air, while exhibiting significant permeability to water vapor. Thus, a spunbond **polypropylene** nonwoven **fabric** was extrusion-coated with a compn. comprising Et **acrylate**-Me **acrylate** copolymer 76%, PL 380 (block **polyester**) 20%, and UV-stabilizer 4% to give laminated **fabrics**, showing strip tensile strength (machine direction/cross direction) 55/43.5 N/cm, and permeance (at 22.degree. and 50% R.H. Perms) 7.5.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:449766 CAPLUS

DN 137:21295

TI Breathable barrier **films** containing cavated fillers and nonwoven fabric laminates containing the same

IN Edmundson, Charles Edward; Day, Bryon Paul

PA Kimberly-Clark Worldwide, Inc., USA

SO PCT Int. Appl., 22 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002046290	A2	20020613	WO 2001-US44633	20011129
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2002107295	A1	20020808	US 2000-732258	20001207
	US 6569225	B2	20030527		

AU 2002039378	A5	20020618	AU 2002-39378	20011129
GB 2385851	A1	20030903	GB 2003-14728	20011129
DE 10197009	T	20031016	DE 2001-10197009	20011129
PRAI US 2000-732258	A	20001207		
WO 2001-US44633	W	20011129		

AB The stretch-thinned **film** having improved moisture vapor breathability at lower filler levels, liqs. impermeability, strength and processability, comprises a thermoplastic polymer (e.g., polyethylene) and cavated filler particles (e.g., cyclodextrin), wherein the **film** has voids formed around the cavated filler particles. The **film** and laminate from from the **film** and a fibrous nonwoven web are useful in a wide variety of disposable personal care absorbent products and medical goods.

L10 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2000:188364 CAPLUS

DN 132:238311

TI Sleeping bags from germ-, allergen-, waterproof, breathable coated fabrics

IN Grewe, Helmut F.

PA Germany

SO Ger. Offen., 6 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19843090	A1	20000323	DE 1998-19843090	19980921
PRAI	DE 1998-19843090		19980921		
AB	Sleeping bags are based on fabrics coated with solid or microporous films , e.g., of polyurethanes, polypropylene , polyethylene, polyester, PTFE, or block polyamide-polyethers.				

L10 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:233860 CAPLUS

DN 130:282997

TI Seams in garments made of two welded waterproof, breathable **film** laminates with a textile layer

IN Goodwin, Brent I.; Hottner, Martin

PA W. L. Gore & Associates, Inc., USA; W. L. Gore & Associates G.m.b.H.

SO PCT Int. Appl., 53 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9916620	A1	19990408	WO 1998-US20578	19981001
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 906824	A1	19990407	EP 1997-117071	19971001
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	AU 9895953	A1	19990423	AU 1998-95953	19981001
PRAI	EP 1997-117071	A	19971001		
	WO 1998-US20578	W	19981001		
AB	A textile laminate is made from a first layer of a waterproof and breathable functional layer and a second woven or knitted layer comprising at least a first component such as nylon 66 and a second component such as copolyester, polyamide, copolyamide or polyolefin, e.g.				

polypropylene, melting at a temp. lower than the first component.
Two of these laminates may be joined or fused together to create a thin waterproof seam. A yarn of **polypropylene** fiber and nylon 66 fiber (50:50 vol%) was knitted to form a **fabric** (basis wt. 80 g/m2) and this was laminated to an expanded PTFE layer coated with polyurethane. Two laminates were heat bonded to form a watertight seam seal (water pressure >0.13 bar).

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:233857 CAPLUS

DN 130:283339

TI Durable seams in garments made of waterproof, breathable **film** laminate with a textile layer

IN Hottner, Martin

PA W.L. Gore & Associates G.m.b.H., Germany

SO PCT Int. Appl., 32 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9916616	A1	19990408	WO 1998-EP6236	19981001
	W:				
	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 906824	A1	19990407	EP 1997-117071	19971001
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	AU 9910284	A1	19990423	AU 1999-10284	19981001
	EP 942826	A1	19990922	EP 1998-952677	19981001
	EP 942826	B1	20030917		
	R:				
	DE, FR, GB				
	JP 2002513345	T2	20020508	JP 1999-519751	19981001
PRAI	EP 1997-117071	A	19971001		
	WO 1998-EP6236	W	19981001		
AB	A textile laminate is made from a first layer of a waterproof and breathable functional layer and a second woven or knitted layer comprising at least a first component such as nylon 66 and a second component such as copolyester, polyamide, copolyamide or polyolefin, e.g. polypropylene , melting at a temp. lower than the first component. Two of these laminates may be joined or fused together to create a thin waterproof seam. A yarn of polypropylene fiber and nylon 66 fiber (50:50 vol%) was knitted to form a fabric (basis wt. 80 g/m2) and this was laminated to an expanded PTFE layer coated with polyurethane. Two laminates were heat bonded to form a watertight seam seal (water pressure >0.13 bar).				

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1997:805678 CAPLUS

DN 128:49216

TI Breathable composite sheets comprising thermoplastic **films** melt-bonded to fibrous substrates and absorbent articles utilizing same

IN Carroll, Nora Liu; Lim, Hyun Sung; Ostapchenko, George Joseph; Vaidya, Shailaja R.; McKenna, J. Michael; Curro, John Joseph; Lavon, Gary Dean; Sparks, Richard L.; et al.

PA Carroll, Nora Liu, USA; Lim, Hyun Sung; Ostapchenko, George Joseph;
 Vaidya, Shailaja R.; McKenna, J. Michael; Curro, John Joseph; Lavon, Gary
 Dean; Sparks, Richard L.; E. I. Du Pont de Nemours & Co.
 SO PCT Int. Appl., 72 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9745259	A1	19971204	WO 1997-US9215	19970529
	W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9733716	A1	19980105	AU 1997-33716	19970529
	AU 727684	B2	20001221		
	EP 906192	A1	19990407	EP 1997-929723	19970529
	EP 906192	B1	20011031		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
	CN 1219905	A	19990616	CN 1997-195044	19970529
	CN 1083328	B	20020424		
	BR 9709413	A	19990810	BR 1997-9413	19970529
	JP 2000511125	T2	20000829	JP 1997-542960	19970529
	AT 207811	E	20011115	AT 1997-929723	19970529
	PT 906192	T	20020328	PT 1997-97929723	19970529
	ES 2167754	T3	20020516	ES 1997-929723	19970529
	ZA 9706258	A	19980203	ZA 1997-6258	19970715
	EG 21280	A	20010630	EG 1997-1008	19970928
	WO 9819861	A2	19980514	WO 1997-US20158	19971104
	WO 9819861	A3	19981015		
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9851688	A1	19980529	AU 1998-51688	19971104
	EP 936974	A2	19990825	EP 1997-946534	19971104
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
	BR 9712748	A	19991019	BR 1997-12748	19971104
	JP 2000504979	T2	20000425	JP 1998-521748	19971104
	IL 129717	A1	20011125	IL 1997-129717	19971104
	ZA 9710007	A	19980525	ZA 1997-10007	19971106
	US 2002019187	A1	20020214	US 1998-194378	19981125
	US 6677258	B2	20040113		
	NO 9805590	A	19990129	NO 1998-5590	19981127
	KR 2000016142	A	20000325	KR 1998-709710	19981128
	US 6198018	B1	20010306	US 1999-241245	19990201
	KR 2000053045	A	20000825	KR 1999-703947	19990504
	HK 1019215	A1	20020913	HK 1999-104250	19991026
PRAI	US 1996-655046	A2	19960529		
	US 1996-744487	A2	19961106		
	WO 1997-US9215	W	19970529		
	WO 1997-US20158	W	19971104		
AB	The thermoplastic film in the title sheets comprises at least 50 % by wt. of a polymer material from the group of block copolyether esters, block copolyether amides and polyurethanes. The substrate in the title sheets comprises a fibrous web of at least 50 % by wt. of polyolefin fibers. The composite sheet exhibits a peel strength of at least 0.1				

N/cm, a dynamic fluid transmission of less than about 0.75 g/m² when subjected to an impact energy of about 2400 J/m², and a moisture vapor transmission rate, according to the desiccant method, of at least 1500 g/m²/day. The absorbent article comprises: (a) a topsheet; (b) a backsheet; and (c) an absorbent core located between the topsheet and the backsheet; wherein the backsheet comprises the nonporous, substantially fluid impermeable moisture vapor permeable composite sheet material described above. The composite sheet material is oriented such that the **film** layer of the composite sheet material faces toward the absorbent core. The absorbent article may comprise a disposable diaper.

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
90.24	90.45

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-8.32	-8.32

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